



Indiana CLEAN Community Challenge Annual Performance Report

State Form 53116 (8-07)
Indiana Department of Environmental Management
CLEAN Community Challenge

Indiana Department of Environmental Management
Office of Pollution Prevention and Technical Assistance
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Indianapolis, IN 46204-2251
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The Indiana CLEAN Community Challenge Annual Performance Report should demonstrate progress toward objectives and targets AND certify CLEAN Community Challenge requirements continue to be achieved. The Annual Performance Report should include the status of projects committed to in your community's original application, results of completed projects, and assurance that an annual Quality of Life Plan review was conducted by your community. Indiana CLEAN Communities must submit an Annual Performance Report two months after the anniversary of their CLEAN Community designation date.

Please do not include any confidential community or business information in your Annual Performance Report. Public access laws require IDEM to make the Annual Performance Report publicly available, which may include posting all portions of your report on the Indiana CLEAN Community Challenge Web site.

Your Annual Performance Report should be reviewed and signed by a senior manager at your community prior to submittal. Once signed, fax or mail the report to IDEM. If you have any questions, please contact the CLEAN Community Challenge Program Manager at 800-988-7901.

COMMUNITY INFORMATION

Name of Community
City of Michigan City

Street Address (number and street)
1400 West Garfield Street

City, State, ZIP Code
Michigan City, IN 46360

Web site
www.emichigancity.com

CONTACT INFORMATION

Name of Contact
Charlie Cate

Title
Superintendent, Central Maintenance

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219-873-7591

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ccate@emichigancity.com

Mailing Address (number and street)
1400 West Garfield Street

City, State, Zip Code
Michigan City, IN 46360

Reporting Period Dates (month, day, year)
10/19/07-2/19/09 First Year Annual Report

If this is your third Annual Performance Report, do you wish to renew your Indiana CLEAN Community Challenge designation?
☐ Yes ☐ No

If yes, your community will need to provide five new objectives and targets in the Continual Environmental Improvement section of this report.

ENVIRONMENTAL MEDIA ACTIVITIES

Please identify the five objectives and targets in your Quality of Life Plan and describe the progress made during the past year, the baseline measurement and current status of achievement, future plans for achieving each target, and any cost savings experienced as a result of the target.

Environmental Media Activity #1

Objective Increase the use of retread tires

Target All City Department vehicles maintained by Central Maintenance will participate in tire retread program by November 2007. Implement a tire replacement program that would allow all City Heavy Vehicle and Bus Drive tires to be re-capped a minimum of three times prior to disposal of the tire cores.

Progress made (and hurdles overcome) The preconceived perception the recapped tires are inferior in construction and prone to failures. To overcome this tires were tested by Central Maintenance on Municipal busses, refuse trucks, and dump trucks without the user departments knowledge. Once a baseline was developed on actual wear, mileage, and total non-failures, the directors of each department were presented with the program, its success potential, and the savings to be achieved both on the environment and as an operational cost.

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Prior to this program no tires were recapped	2007 Pilot Program completed 2008 all drive tires for Heavy Duty trucks and busses on program	2009 will evaluate use of recap tires on front mounted steer tires for non-emergency vehicles and non-transit vehicles	Reduce tire cost, barrels of oil in construction of recaps, and tire disposal cost reductions. Year Tire Cost BI/Oil Disposal 2007 \$11,278 45 \$318 2008 \$15,166 62 \$433

If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.

Environmental Media Activity #2

Objective Install salt controls on our salt spreaders that will control the amount of salt distributed per lane mile during treatment operation. Together with the treatment of salt with a solution of DE-Ice we will further control that the salt will be applied only to the road, not shoulders or parkways, and that the salt will start to melt immediately and extend to a temperature of -20 degrees.

Target Reduce road salt usage in snow and ice treatment of roads and corresponding release of salt and salt brine flows to our storm sewers by winter 2008.

Progress made (and hurdles overcome) Management was very receptive; however operators were not convinced in either the product capabilities or in the fact that their ability to spread salt would not be fully under their control as it was in the past. During the 2007-2008 season, we had to continually monitor the usage and make equipment modifications to the spreaders to limit operator interference. We had vendor classes for the drivers on the overall program and what we were trying to accomplish, and that they were individually responsible for its success.

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
900-1200 pounds of a sand-3parts and Salt-2parts had been spread per lane mile in the past. This caused a major cleanup in the spring and also led to some major storm line clogs in the spring.	In 2007 a mixture of pure salt and 6 gals per salt ton of De-Ice55 (a sugar beet extract) started to be used. 5 Trucks were fitted with controls to limit spread to 450-600 lbs per lane mile. In 2008-2009 season 6 more trucks were fitted with controls with a goal of 450 lbs per lane mile. The street director put a monitoring system in place to keep track by truck and route salt usage per snow event.	The 2008-2009 seasonal totals will be analyzed to determine salt per lane mile usage. The controls will be more accurately calibrated to tonnage and we will look at additional controls to monitor auger and spinner speed to eliminate driver overrides wherever possible.	Initial estimates were reducing a pure salt spread from 1200-1500 lbs per lane mile to 500 lbs per mile. With the treatment and controls this would reduce salt usage by 65% per lane mile. Salt pricing has gone from \$41/ton to \$108/ton so the real savings is usage as we cannot control price. Without controls at current pricing we would have had to reintroduce a salt/sand mix.

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Environmental Media Activity #3

Objective Expand the existing Salt Storage location at the Central Services Garage facility to a free standing storage and treatment facility capable of a 700 ton capacity adjacent to the Central Maintenance facility. The facility will allow for adequate salt treatment within or on asphalt apron of the facility. All loading and unloading of spreaders and delivery will be on a controlled asphalt pad.

Target Budget approved for 2007 with construction to be completed prior to the delivery of salt for the 2007-2008 winter season.

Progress made (and hurdles overcome) Site preparation was difficult due to the amount of grindings stored. An accommodation was made with LaPorte County Hwy to trade them truckloads of grindings for their shoulder repairs for the grading and leveling of our construction site. We were able to meet the schedule proposed and the construction was completed in September 2007, prior to any salt deliveries.

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Prior to this construction salt storage was kept within the Central Service Building. When large deliveries were made we were forced to store the salt in the open on the grounds of Central Maintenance.	All salt is delivered on the asphalt apron outside of the salt storage building. The salt is then mixed with the De-ice solution and stored within the building. No salt is dumped or stored on soil that would allow leaching into the ground.	The target of construction of a salt storage facility has been achieved. SOP's for storage and treatment need to be documented.	The environmental savings of this project has the city compliant with salt storage guidelines. The benefits of avoiding any leaching of salt stored outside into groundwater has been eliminated.

If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.

Environmental Media Activity #4

Objective Public education and awareness of where the outflow of storm drains discharge into the City's watershed and how they can help to reduce or eliminate pollution through best practices.

Target Place colorful, descriptive markings on all storm drains serving as a constant reminder to our citizens that what goes into the drain comes out to our watershed, in this case Trail Creek and Lake Michigan by November 2007.

Progress made (and hurdles overcome)

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Michigah City is actively implementing the Sanitary District's program to separate all storm and sewer drains.	All new separated storm drains are have their inlets marked : "DUMP NO WASTE"	2008 Plans are to coordinate the effort of community involvement with the Sanitary District and with	When a public campaign is launched the amount of pollutants introduced to our storm sewers and watershed will

	"DRAINS TO WATERWAYS" along with a picture of a Salmon fish.	Rick Brown, the counties MS4 coordinator. He has attended seminars and will bring a different perspective to implementing this project.	be greatly reduced. Separation of storm and sanitary sewers will limit the amount of treatment required and potentially avoid any required flows to Trail Creek.
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

Environmental Media Activity #5			
Objective Adapt existing space for new alternative transportation usage and build a non-motorized Pedestrian Trail with a Transportation Enhancement Grant. This will have visual improvement, economic development, alternative transportation use, health benefits, environmental and education, which will appeal to the widest possible range of participants.			
Target : Develop trail approximately 2.9 miles in length that will begin at the Porter/LaPorte County line, west of Michigan City, at the existing Calumet Trailhead and end at Washington Park by August 2008			
Progress made (and hurdles overcome) Currently on hold do to railroad opposition to the routing.			
Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
A variety of State and Municipal requirements dictate many of the procedures to be followed in the planning, funding, execution and post-implementation of the project. The number and review of project benchmarks required are numerous and are to be submitted for review of various agencies before submittal. The Singing Sands Lighthouse Trail is but one of five phases detailed in the Michigan City Trail and Greenways Master Plan.	This project is in the field check stage, but has been delayed due to railroad opposition. A reroute has been determined and engineering will need to be done to get the plans back to the design hearing stage. A new CE will be required for the downtown reroute. The contract between the consultant and the city will need to be amended to reflect the new downtown re-route.	Projected Milestone Dates: Environmental complete by May 2009 Permitting to complete by April 2010 Utility Coordination complete by Apr. 2010 Railroad Coordination by April 2010 Ready for Contracts by October 2010 Projected Construction Date: Feb. 2011 Estimated construction time: 9 mos.	Current funding: \$1,750,000 Federal (TE) \$437,500 Local Match
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

ANNUAL EMS AUDIT
Summarize the results of the Annual EMS Audit your community performed on the Quality of Life Plan. The audit to date shows that the City has remained focused on its core five projects submitted with the CLEAN application. More importantly, the 5 broad areas we decided to focus on, lets all City departments categorize their projects in one of these areas, and to document how every project will consider the environmental goals the City has can impact each project. There will need to be more active meetings to insure that this program does not lose the initial focus it has, but as the audit team recommended that the QLP is indeed a living document.

COMMUNITY AND BUSINESS OUTREACH
Briefly describe the information presented to the community and businesses to keep residents informed of important issues related to the community's environmental performance, including how the status of Quality of Life Plan objectives were relayed to the community. We have taken the initiative to present some of our programs to the Environmental Policy Cmte of the Northern Indiana Regional Planning Commission. A presentation was also made on the Trail Creek Watershed Plan. Two articles were published in the BANDAG dealers newsletter on the tire retread program and in Citgo's dealer flier on the use of synthetic oil products by Michigan City. Both articles included the Mayor's support for the CLEAN challenge.

CONTINUAL ENVIRONMENTAL IMPROVEMENT
If this is your third Annual Performance Report and your community desires to continue membership as an Indiana CLEAN Community, please provide five new objectives and targets your community will commit to during the next three year designation period, otherwise skip to the next section. First Annual Report

ADDITIONAL INFORMATION
Please provide the following additional information.
1. List environmental awards received or voluntary programs participated in during the past twelve months (include information about each particular program). None
2. Has your community taken advantage of any CLEAN benefits? If so, please describe which benefits were used, the implementation process, and

ideas for additional benefits IDEM should consider.

Not at this time.

3. Is your community pursuing ISO 14001 EMS certification? If yes, how has the Indiana CLEAN Community Challenge program been instrumental in achieving ISO 14001 EMS certification?
NO
4. Explain the measured or perceived results from receiving, documenting, and responding to external communication and its effect on Quality of Life Plan objectives and targets?
An audit if the Quality of Life plan will focus on updating those areas that are either not as relevant as initially perceived and need to be updated to more closely reflect what is being accomplished. As we learned in the initial audit, the QLP should be a active document that all can understand and also implement.
5. Explain the emergencies experienced within the community during the past year. Were the applicable emergency and contingency plans detailed in the Quality of Life Plan effective? What changes, if any, have been made to your community's emergency or contingency plans?
None
6. How have community residents and businesses reacted to your community participating in the Indiana CLEAN Community Challenge?
So far not in any specific way, but we hope to include a more active approach in 2009.
7. According to the measurement program developed and implemented by your community to measure Quality of Life Plan success, is your community's Quality of Life Plan successful? Why or why not? If not, what changes will be made to ensure continual environmental improvement and future Quality of Life Plan success?
The measurements are being met, however some of the programs that would effect the public's success measurements have not reached that stage.

CERTIFICATION AND PLEDGE

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this local government is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, the City of Michigan City, commit to maintaining the principles and goals outlined in our Quality of Life Plan for our local government's Indiana CLEAN Community status. We agree to strive for full compliance with all regulations promulgated by U.S. EPA, the state, and/or local jurisdictions. We agree to promote the Indiana CLEAN Community Challenge and to share our success stories with other communities. We understand that the Annual Performance Report must be submitted to the local government and IDEM and that we must reapply to the Indiana CLEAN Challenge every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the highest-ranking community official or I have been fully authorized by the highest-ranking community official to execute this statement on behalf of the local government submitting this Annual Performance Report.

Signature
/S/ Charles E. Oberlie

Title
Mayor

Date (month, day, year)
2/19/09

Please submit your CLEAN Community Challenge Annual Performance Report to:

IDEM-OPPTA
CLEAN Community Challenge Program Manager
100 North Senate Avenue
MC 64-00 IGCS W041
Indianapolis, IN 46204-2251
FAX: 317-233-5627